

Model: **D100**



The Most Affordable HD Video Conferencing

Video conferencing has become an increasingly popular service, being widely used by enterprises, organizations and individuals. Thanks to the enormous growth in smart phone use and widespread adoption of multimedia applications, video conferencing is quickly becoming the natural choice for interpersonal and organizational communications.

The D100 is a plug & play, open, standards based, high definition voice and video conferencing bridge that provides real-time, low latency, ubiquitous conferencing capabilities between different devices with different multimedia voice and video capabilities. Offering unmatched price/performance value, D100 targets conferencing for enterprises.

The D100 is available as a standalone appliance that connects to any IP network providing voice and video conferencing solution.

Product Specifications

Standard based signaling and coding technology

D100 is able to connect different devices, from room systems, to desktop video phones, to video clients running on smart phones or tablets. D100 transcodes the video conference providing the best available video conference quality to every participant.

Signaling

SIP

Bridge Support

Support for both voice only bridge or video conferencing capabilities

Voice Codecs

G711a, G711u, G729, G722.1, G723, iLBC.

Video Codecs

MPEG4, H263, H264

Video Resolution

QCIF, CIF, VGA, 4CIF and HD (720p)

Leader based Moderation

Conference rooms can be moderated by a leader or set as unmanaged ad-hoc conference rooms to be used by users as needed.

Transmitted Bandwidth

- HD Participant: 2 Mbps HD (1280X720) 15 FPS
- VGA Participant: 1.2Mbps VGA (640X480) 30 FPS (High Conference) / 15 FPS (HD Conference).
- CIF Participant: 320Kbps CIF (352X288) 24 FPS

Requested Bandwidth

- HD Participant: 2 Mbps VGA (640X480)

- VGA Participant: 1.2Mbps CIF (352X288)
- CIF Participant: 320 Kbps CIF (352X288)

Minimum required upload Bandwidth

The minimum required upload bandwidth from connecting endpoints is as follows:

- HD Participant: 1.2 Mbps
- VGA Participant: 320 Kbps
- CIF Participant: 320 Kbps

NAT/PAT Traversal Capabilities

Network and Port address translation capabilities for firewall traversals.

Multiple Access Numbers

A single D100 can support multiple access numbers.

Access numbers can be registered in a SIP network as an endpoint or SIP trunk

Interactive Voice and Video Response

The D100 has IVRs and IVVRs for participants calling an access number or a conference room with PIN code. The IVRs/IVVRs notifies the participants when to enter a conference room number, PIN code and when they are connected or disconnected from the conference.

Configurable Meeting Rooms

A conference meeting room can be provisioned at any time, and can be used at any time afterwards. The conference rooms can be configured as voice only or voice and video conference rooms.

Setting the Maximum viewed Participant

Meeting rooms can be provisioned with the maximum viewed participants during a conference for optimal video layout experience.

Multiple Video Layout Options

Different video layouts available, which

automatically switch as participants enter or leave the conference.

VIP Participants

Participants may be recognized by the system and automatically connected to a predefined bridge; this is useful in connecting multiple conference rooms to a preset configuration.

Energetic Voice Detection – Dominant Based Layout.

Participant placement within the dominant speaker layout is updated based on continuously measuring all active voice participants and concluding the top five active energetic participants within a conference.

Ability to register to an external SIP Registrar

The D100 supports registration to an external registrar. Access Numbers and Conference numbers can be registered to an external registrar, providing the ability to assimilate within the organizations communication system.

The D100 supports digest authentication

Built in SIP Registrar

D100 has a built in SIP registrar accepting all SIP Register events (regardless of user and password), any registered subscriber can call directly to any access number or conference room configured in the D100.

Outgoing SIP Proxy

Outgoing SIP Proxy is supported.

Dynamic Video Layouts

D100 provides dynamic video layouts. As video participants join the conference, the layouts automatically adjust to provide the

optimal coverage of all viewed participants.

Web Management

Built in simple web management systems allows users to configure the system, provision conferences, and monitor and control conferences in real time.

Role based Management

Password protected administration access for platform administration and conference management. Different roles are supported for platform management and conference management.

Multiple language Support

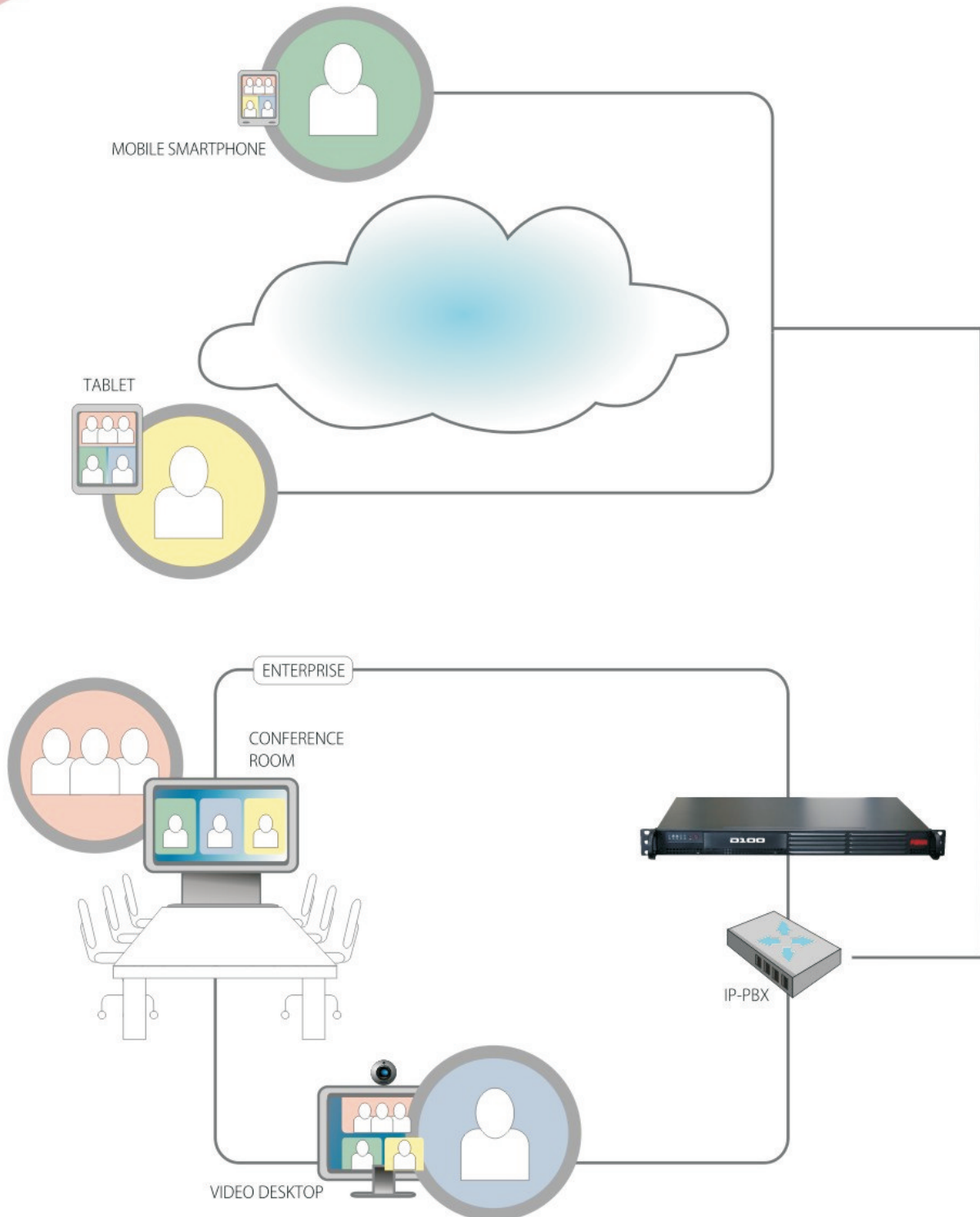
The D100 management system is providing with localization support for different languages and more language can be added easily.

SIP RFC Compliancy

D100 supports SIP, according to the following RFCs: RFC3261, RFC4566, RFC2976, RFC3262, RFC3263, RFC 3264, RFC4317, RFC3581, RFC3966, RFC4028, RFC2833, RFC3550, RFC3551, RFC 3951, RFC3952.

Console Serial Access

Console connection for rebooting server, password reset and viewing network information.



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